Tides EDGENUITY Quiz

Select from these words for the definitions below from questions 1 - 7:

a. Low tide

	c. d.	High tide Gravity Moon Neap tide Spring tide Sun Tidal bore Tidal range Tides	
1. 2. 3. 4. 5. 6. 7.		the force that pulls the tides the difference between water lev tides that occur during the new a	and full moons f Earth facing or opposite the moon f ocean water
8.		unusually high tide is called a Major Tall	c. neap d. spring
9.	Ho a. b.	ow often do tides rise and fall? Once a day Twice a day	c. every 14 days d. every 24 h, 50 m
10	a. b.	One rotation of the Earth One revolution of the moon arou One period between two high tid One period between two full moon	es
11.	a.	nat kind of instruments do student A NOAA A CTD instrument	s use as part of the HIGH TIDE to study tidewater? c. a gyroscope d. a satellite
12.	a.	nen do the greatest tidal ranges och Spring tides Neap tides	cur? c. high tides d. low tides

- 13. The Bay of Fundy has the greatest tidal ranges on Earth. What can you infer about the Bay of Fundy?
 - a. It faces the moon more often than other places on Earth.
 - b. It has many rocky beaches.
 - c. It is a long, narrow inlet.
 - d. Its tides cannot be predicted accurately.
 - 14. From what is known about spring tides and neap tides, you can conclude that
 - a. The sun's gravity exerts the most power when the moon is on the opposite side of the Earth from the sun.
 - b. The height of high tides varies with the phases of the moon.
 - c. Spring tides and neap tides affect the phases of the moon.
 - d. The moon revolves around the Earth every 14 days.
 - 15. Which statement explains why the moon's gravity is able to create high and low tides?
 - a. The moon is revolving more quickly than the Earth is rotating.
 - b. The moon is revolving more slowly than the Earth is rotating.
 - c. Some parts of the Earth never face directly on the sun and moon.
 - d. The moon is revolving at the same speed that the Earth is rotating.

16. Ti	des affect the levels of	in tidal waters.	
a.	Temperature	c. nutrients	
b.	Salinity	d. all of the above	

- 17. Which statement describes what is happening at high tide?
 - a. The moon is revolving more quickly than the Earth is rotating.
 - b. The moon's gravity is dragging water away from the Equator.
 - c. The moon's gravity is pulling ocean water into a bulge.
 - d. The sun's gravity pulls with more force than the moon's gravity.
- 18. Some organisms will base what schedules on tidal movements?
 - a. Reproduction and feeding
- c. sleeping and reproduction

b. Feeding and sleeping

d. recreation and predation